MEGALITE™

deco COLOR RIBBON

USER MANUAL

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Check that the unit has not been damaged during transport

Protection Against Fire

Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
2. Do Not install the unit to close to a heat source.
3. Make sure cable are properly secured.
4. Maximum surface operating temperature 80º.
5. Please check the DC power supply to have the correct +and—connection a wrong polarity can destroy the ribbon

Protection Against Fire

Electrical

1. Disconnect connection before servicing.
2. Secure cables so they do not touch.
3. For connection to main power supply proceed to page 5.
4. Do not expose connection points to rain or moisture.

Protection Against Mechanical Hazards

Mechanical

1. Do not over bend the unit more than a 60 degree angle.
2. Do not apply direct pressure over the Ribbon.
3. Use quality bolts when positioning unit
4. Do not open unit while it is on, risk of electrical shock.

Specifications

Part Numbers

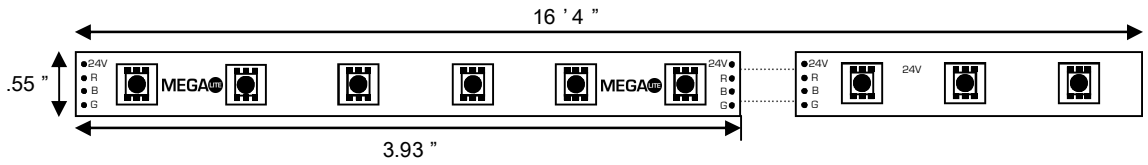
Fixture

5000-Deco Color Ribbon

Specifications

LED Quantity: 300

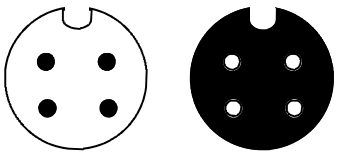
Red: 300
Green: 300
Blue: 300



IP Rating: IP 68 (To the connection point
LED Type: 50/50 SMD-Tri Colored
(Note: Due to the manufacturing of LEDs, LED are subject to slight variance of color with in a 5% tolerance)
Voltage: 24V
Avg rated Life: 30,000hrs
Operating temperature: -40ºc to 80ºc
Fastening System: 3M adhesive tape / 10 Mounting Clips (included)
Led Spacing: .65ò/ 16.6mm
Cuttable Every: 3.93ò/ 100mm

Fixture		Antistatic Bag Packaging	
Size:	16ô4ò/ 5 Meters L .55ò/ 13mm W .24ò/ 4mm H	Size:	10.5òL 10òW 1òH
Weight:	1 lbs	Weight:	1.25 lbs

Connector



Main Power Connection

Caution!

1. Do not connect fixture to a dimmer system.

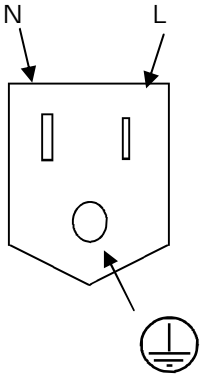
Fixture

5020-Deco PS100W 24V

Deco PS 100W24V is a auto switching power supply that will work from 100V to 240V

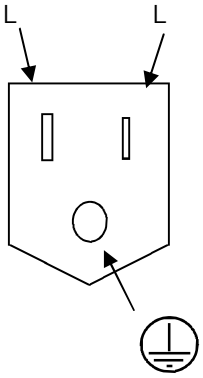
110V Connection

Cable (USA)	Cable (EU)	Pin	Connection
Black	Brown	Live	L
White	Light Blue	Neutral	N
Green	Yellow/Green	Ground	⏚



220V Connection

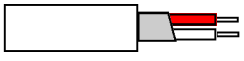
Cable (USA)	Cable (EU)	Pin	Connection
Black	Brown	Live	L
White	Light Blue	Live	L
Green	Yellow/Green	Ground	⏚



The occupation of the connection-cable is as follows coming out of the AC to DC adapter

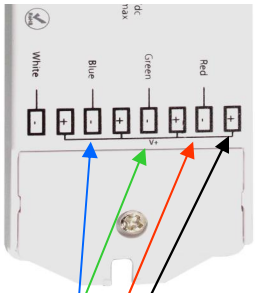
110V or 220V Connection

Cable	Pin
Red	DC +
White	DC -



Installation Using Deco Digital Driver

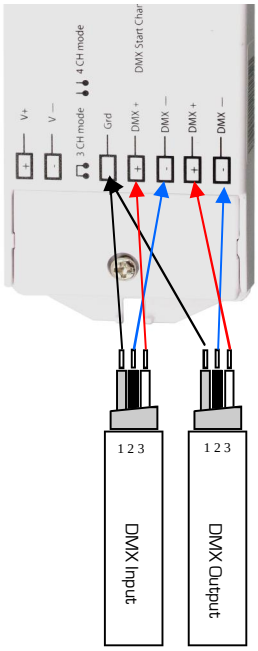
Step 1
Connect Deco Ribbon to the Deco Digital Driver



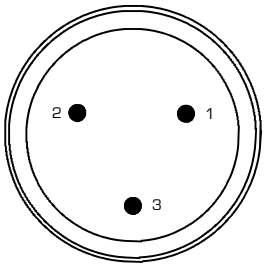
Caution!
Cable may not be more than 100Ft from Deco Digital Driver

16 ' 4 "

Step 2
Connect DMX signal to the Deco Digital Driver

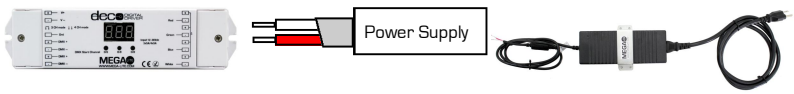


DMX—input

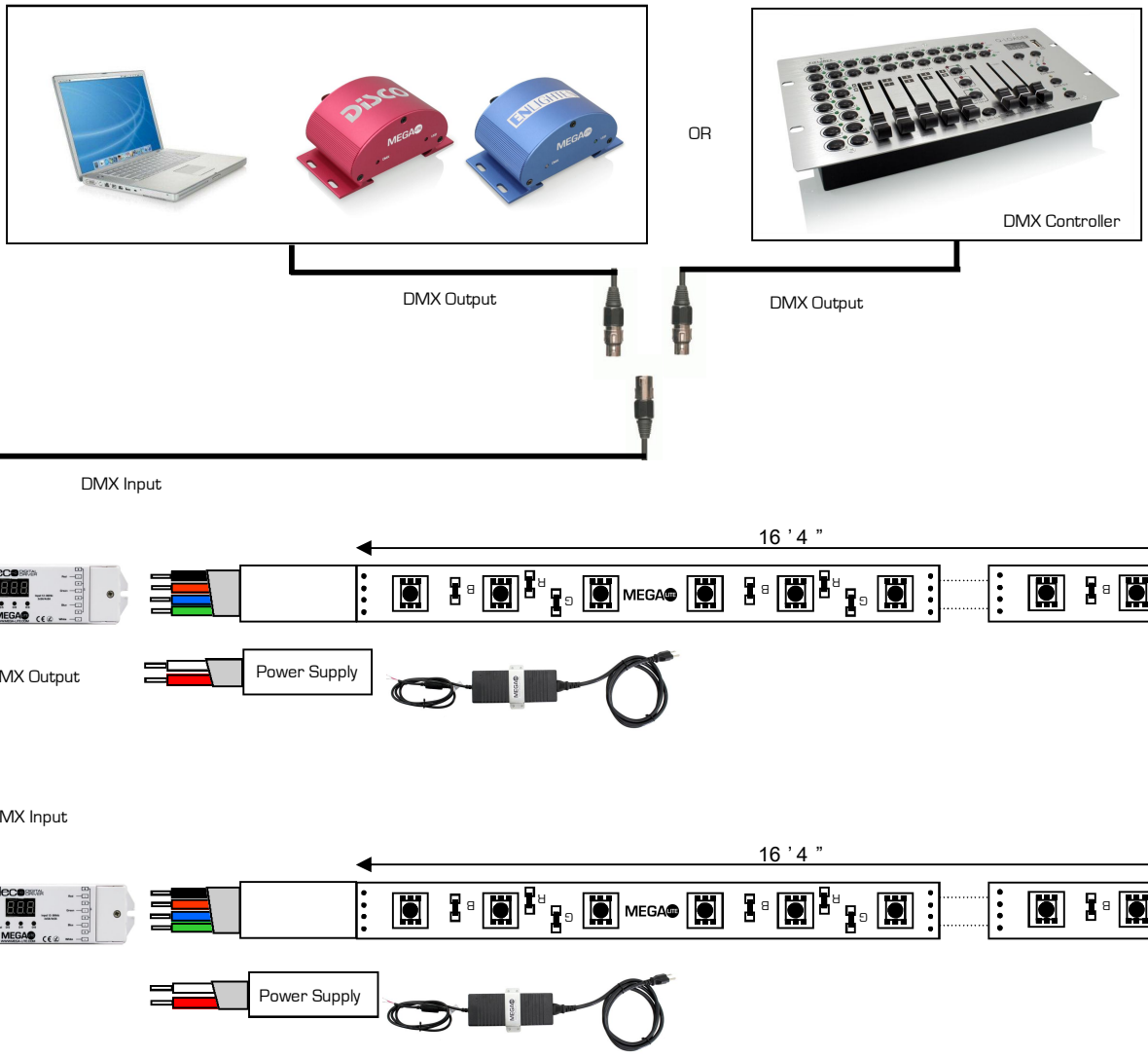


1. Shield
2. Signal (-)
3. Signal (+)

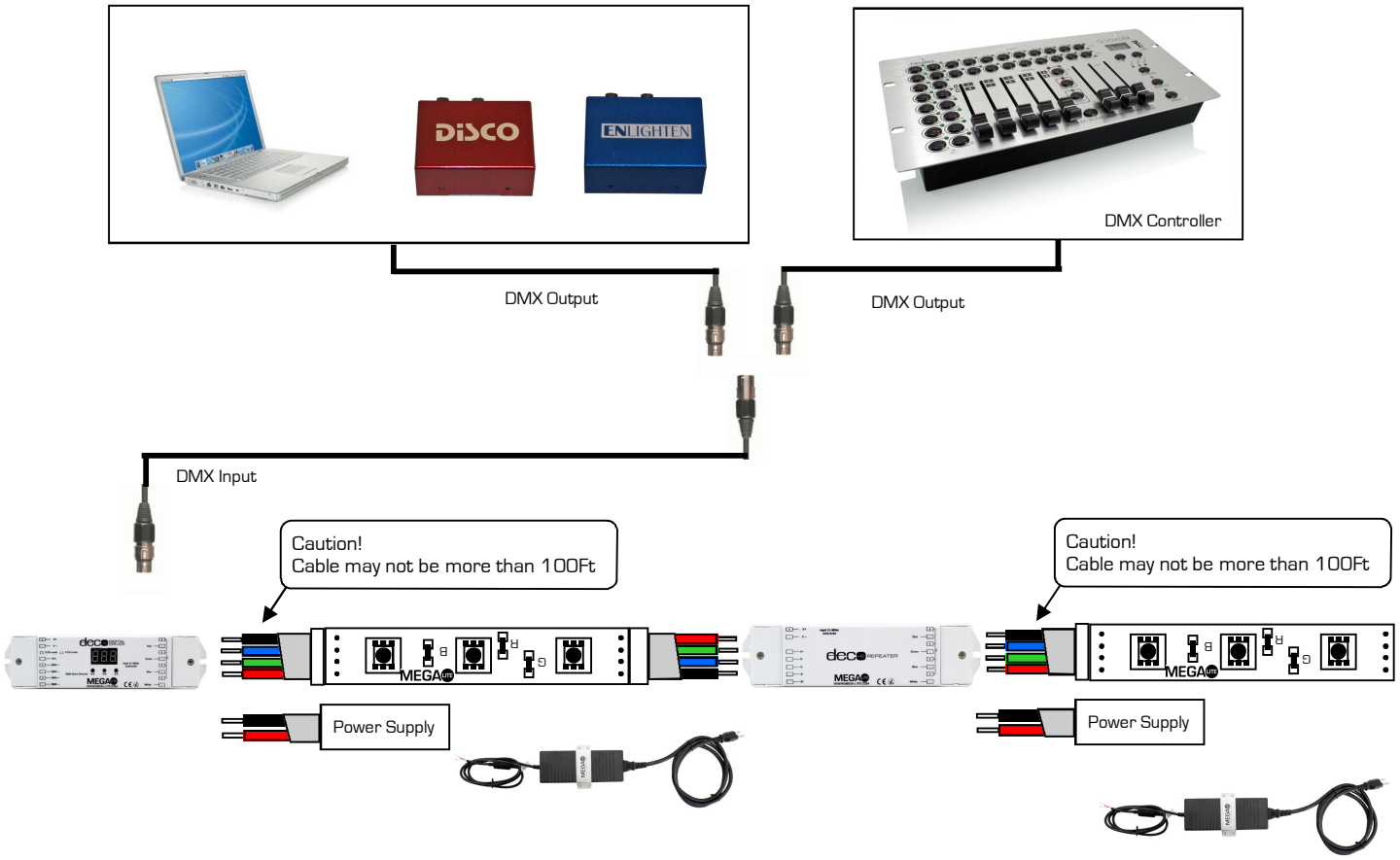
Step 3
Connect Deco PS to the Deco Digital Driver



Caution!
1. Each Deco PS100W24V will only power up to 16.4" of Deco Color Ribbon


OR
DMX Controller
DMX Output
DMX Output
DMX Input
16 ' 4 "
DMX Output
Power Supply
DMX Input
16 ' 4 "
Power Supply

Installing using Deco Color Ribbon Power Supply & Deco Repeater Signal Extender



Rigging the fixture

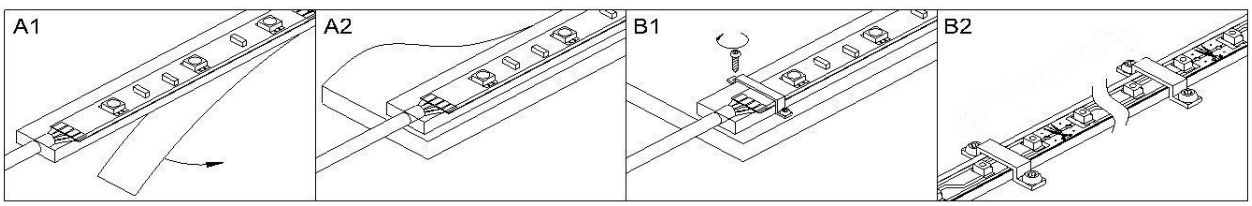
Caution!

1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

The 3M adhesive is intended to assist in the mounting of the unit, it is not intended as a permanent adhesive to mount the unit. Surface were the Deco Ribbon is mounted on should be cleaned and free of debris. Unit Ships with 10 braces per ribbon reel. These braces should be used to secure the Deco Color Ribbon to the surface.



DMX Profile

Deco Color Ribbon DMX Profile (3 Channels)

DMX Channel	Function	Description	Value
1	Led Color	Red LED intensity	0-255
2	Led Color	Green LED intensity	0-255
3	Led Color	Blue LED intensity	0-255

Cleaning and maintenance

Installation Maintenance: The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:
1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Disconnect from mains before starting maintenance operation!

Electrical

Caution Danger to life!

We recommend a frequent cleaning of the device. Please use a moist, lint free cloth. Never use alcohol or solvents!
1) The plastic cover will require periodic cleaning on usage and environment. Environment with foggers will require more periodic cleaning as fog fluid tends to build up residues, reducing the light output.

Note: There is no serviceable parts inside the device. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers only In order to avoid hazards.

Should you have further questions , please contact your dealer.

Warranty Information

Limited Warranty

Unless otherwise stated, your product is covered by a one year parts and labor limited warranty. Dichroic filters and glass gobos are not guaranteed against breakage or scratches to coating. It is the ownerôs responsibility to furnish receipts or invoices for verification of purchase, date, and dealer or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

Returning an Item Under Warranty for Repair

It is necessary to obtain a Return Material Authorization (RMA) number from your dealer or point of purchase BEFORE any units are returned for repair. The manufacturer will make the final determination as to whether or not the unit is covered by warranty. Lamps are covered by the lamp manufacturerôs warranty.

Any Product unit or parts returned to MEGA Systems Inc. must be packaged in a suitable manner to ensure the protection of such Product unit or parts, and such package shall be clearly and prominently marked to indicate that the package contains returned Product units or parts and with an RMA number. Accompany all returned Product units or parts with a written explanation of the alleged problem or malfunction. Ship returned Product units or parts to: 5711 Kenwick St. San Antonio TX 78254 USA.

Note: Freight Damage Claims are invalid for fixtures shipped in non-factory boxes and packing materials.

Freight

All shipping will be paid by the purchaser. Items under warranty shall have return shipping paid by the manufacturer only in the Continental United States. Under no circumstances will freight collect shipments be accepted. Prepaid shipping does not include rush expediting such as air freight. Air freight can be sent customer collect in the Continental United States.

REPAIR OR REPLACEMENT AS PROVIDED FOR UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. MEGA SYSTEMS INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO ANY PRODUCT, AND MEGA SYSTEMS SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MEGA SYSTEMS SHALL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGE, INCLUDING LOST PROFITS, SUSTAINED OR INCURRED IN CONNECTION WITH ANY PRODUCT OR CAUSED BY PRODUCT DEFECTS OR THE PARTIAL OR TOTAL FAILURE OF ANY PRODUCT REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, AND WHETHER OR NOT SUCH DAMAGE WAS FORESEEN OR UNFORESEEN. Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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